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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2010; month=3; day=30; hr=13; min=19; sec=28; ms=581;]

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Reviewer Comments:

<210> 19

<211> 9

<212> PRT

<213> Homo sapiens

400> 19

Thr His Ser Arg Ala Asp Arg Arg Glu

1

5

Please insert an (<) open bracket at Numeric Identifier <400>. Please check for similar errors and make all necessary changes.

Application No: 10581431 Version No: 3.0

Input Set:

Output Set:

Started: 2010-03-30 11:02:20.775
 Finished: null
 Elapsed: null
 Total Warnings: 18
 Total Errors: 2
 No. of SeqIDs Defined: 72
 Actual SeqID Count: 19

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)

Input Set:

Output Set:

Started: 2010-03-30 11:02:20.775
Finished: null
Elapsed: null
Total Warnings: 18
Total Errors: 2
No. of SeqIDs Defined: 72
Actual SeqID Count: 19

Error code	Error Description
E 249	Order Sequence Error <213> -> <210>; Expected Mandatory Tag: <400> in SEQID (19)

<110> The Scripps Research Institute

<120> INTEGRIN ALPHA.IIb.BETA.3 SPECIFIC ANTIBODIES AND PEPTIDES

<130> TSRI 1019.1 US

<140> 10581431

<141> 2010-03-30

<150> US 60/526,859

<151> 2003-12-03

<150> PCT/US2004/040381

<151> 2004-12-03

<160> 72

<210> 1

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> HCDR3 part

<400> 1

Cys Ser Phe Gly Arg Gly Asp Ile Arg Asn Cys

1 5 10

<210> 2

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> HCDR3 part

<400> 2

Gly Ser Phe Gly Arg Gly Asp Ile Arg Asn Gly

1 5 10

<210> 3

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<220>

<221> VARIANT

<222> (3,4,5,9,10,11)

<223> encoded by randomized DNA sequence: Ala, Cys, Asp, Glu,

Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser,
Thr, Val, Trp, Tyr

<400> 3

Val Gly Xaa Xaa Xaa Arg Ala Asp Xaa Xaa Xaa Tyr Ala Met Asp
1 5 10 15
Val

<210> 4

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> HCDR3 consensus part

<400> 4

Val Val Cys Arg Ala Asp Lys Arg Cys
1 5

<210> 5

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> HCDR3 consensus part

<400> 5

Val Trp Cys Arg Ala Asp Arg Arg Cys
1 5

<210> 6

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> HCDR3 consensus part

<400> 6

Val Trp Cys Arg Ala Asp Lys Arg Cys
1 5

<210> 7

<211> 9

<212> PRT

<213> Artificial Sequence

<220>
 <223> HCDR3 consensus part

<400> 7

Val Val Cys Arg Ala Asp Arg Arg Cys
 1 5

<210> 8
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CDR consensus part

<400> 8

Val Arg Val Val Cys Arg Ala Asp Arg Arg Cys Tyr Ala Met Asp
 1 5 10 15
 Val

<210> 9
 <211> 72
 <212> DNA
 <213> Artificial Sequence

<220>
 <221> misc_feature
 <222> (25,26,28,29,31,32,43,44,46,47,49,50)
 <223> primer neo-rad-f; encoded by randomized DNA sequence: a, g, c, t

<220>
 <221> misc_feature
 <222> (27,30,33,45,48,51)
 <223> primer neo-rad-f; encoded by randomized DNA sequence: g, t

<400> 9

gtgtattact gtgcgagagt ggggnnnknk nnkcggtgccg acnnknknkn ktacgctatg 60

gacgtctggg gc 72

<210> 10
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> primer dpseq

<400> 10

agaagcgtag tccggaacgt c 21

<210> 11
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> primer DP-47N-term

<400> 11

gctgccaac cagccatggc cgaggtgcag ctgttgaggt ctgggggagg ctggga 57

<210> 12
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<212> DNA
<213> Artificial Sequence

<220>
<223> primer DP-47FR3

<400> 12

cactctcgca cagtaataca cgcccggtgc ctggtctct 39

<210> 13
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> primer lead-VH

<400> 13

ggccatggct ggttgggcag c 21

<210> 14
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> primer dp-EX

<400> 14

gaggaggagg aggaggagag aagcgtagtc cggaacgtc 39

<210> 15
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
 <223> primer ompseq

 <400> 15

 aagacagcta tcgcgattgc agtg 24

 <210> 16
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> primer leadB

 <400> 16

 ggccatggct ggttgggcag c 21

 <210> 17
 <211> 41
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> primer RSC-F

 <400> 17

 gaggaggagg aggaggaggc gggggccagg cggccgagct c 41

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 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> primer lead-B

 <400> 18
 ggccatggct ggttgggcag c 21

 <210> 19
 <211> 9
 <212> PRT
 <213> Homo sapiens

 400> 19
 Thr His Ser Arg Ala Asp Arg Arg Glu
 1 5

 <210> 20

<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> inversed RAD motif peptide

<400> 20

Val Val Cys Asp Ala Arg Arg Arg Cys
1 5

<210> 21
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> inversed RAD motif peptide

<400> 21

Thr His Ser Asp Ala Arg Arg Arg Glu
1 5

<210> 22
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> VARIANT
<222> (1,2,3,7,8,9)
<223> encoded by randomized DNA sequence: Ala, Cys, Asp, Glu,
Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser,
Thr, Val, Trp, Tyr

<400> 22

Xaa Xaa Xaa Arg Ala Asp Xaa Xaa Xaa
1 5

<210> 23
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> RAD motif peptide

<400> 23

Cys Arg Ala Asp Val Pro Leu Cys

1 5

<210> 24

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> RAD motif peptide

<400> 24

Cys Met Ser Arg Ala Asp Arg Pro Cys

1 5

<210> 25

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR consensus part

<400> 25

Val Arg Val Val Cys Arg Ala Asp Lys Arg Cys Tyr Ala Met Asp

1 5 10 15

Val

<210> 26

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR consensus part

<400> 26

Val Arg Val Trp Cys Arg Ala Asp Arg Arg Cys Tyr Ala Met Asp

1 5 10 15

Val

<210> 27

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR consensus part

<400> 27

Val Arg Val Trp Cys Arg Ala Asp Lys Arg Cys Tyr Ala Met Asp
1 5 10 15
Val

<210> 28
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR consensus part

<400> 28

Val Gly Val Val Cys Arg Ala Asp Arg Arg Cys Tyr Ala Met Asp
1 5 10 15
Val

<210> 29
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR consensus part

<400> 29

Val Gly Val Val Cys Arg Ala Asp Lys Arg Cys Tyr Ala Met Asp
1 5 10 15
Val

<210> 30
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR consensus part

<400> 30

Val Gly Val Trp Cys Arg Ala Asp Arg Arg Cys Tyr Ala Met Asp
1 5 10 15
Val

<210> 31
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR consensus part

<400> 31

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Val Gly Val Trp Cys Arg Ala Asp Lys Arg Cys Tyr Ala Met Asp
  1              5              10              15
Val
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<210> 32

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> RAD87 part

<400> 32

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Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
  1              5              10              15
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser
              20              25              30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
              35              40              45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala
              50              55              60
Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
              65              70              75
Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr
              80              85              90
Ala Val Tyr Tyr Cys Ala Arg Val Arg Val Val Cys Arg Ala Asp
              95              100             105
Arg Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
              110             115
```

<210> 33

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> RAD9 part

<400> 33

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Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
  1              5              10              15
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser
              20              25              30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
              35              40              45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala
              50              55              60
Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
              65              70              75
Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr
              80              85              90
```

Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Val	Arg	Val	Val	Cys	Arg	Ala	Asp
				95						100				105
Arg	Arg	Cys	Tyr	Ala	Met	Asp	Val	Trp	Gly	Gln	Gly	Thr		
				110						115				

<210> 34
 <211> 118
 <212> PRT
 <213> Homo sapiens

<220>
 <223> RAD12 part

<400> 34

Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly
1				5					10					15
Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Gly	Ser	Gly	Phe	Thr	Phe	Ser
				20					25					30
Ser	Tyr	Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu
				35					40					45
Glu	Trp	Val	Ser	Ala	Ile	Gly	Thr	Gly	Gly	Gly	Thr	Tyr	Tyr	Ala
				50					55					60
Asp	Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys
				65					70					75
Asn	Ser	Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr
				80					85					90
Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Val	Arg	Val	Val	Cys	Arg	Ala	Asp
				95					100					105
Arg	Arg	Cys	Tyr	Ala	Met	Asp	Val	Trp	Gly	Gln	Gly	Thr		
				110						115				

<210> 35
 <211> 118
 <212> PRT
 <213> Homo sapiens

<220>
 <223> RAD34 part

<400> 35

Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly
1				5					10					15
Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Gly	Ser	Gly	Phe	Thr	Phe	Ser
				20					25					30
Ser	Tyr	Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu
				35					40					45
Glu	Trp	Val	Ser	Ala	Ile	Gly	Thr	Gly	Gly	Gly	Thr	Tyr	Tyr	Ala
				50					55					60
Asp	Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys
				65					70					75
Asn	Ser	Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr
				80					85					90
Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Val	Arg	Val	Val	Cys	Arg	Ala	Asp

	95	100	105
Arg Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr			
	110	115	

<210> 36
 <211> 118
 <212> PRT
 <213> Homo sapiens

<220>
 <223> RAD3 part

<400> 36

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly			
1 5 10 15			
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser			
20 25 30			
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu			
35 40 45			
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala			
50 55 60			
Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys			
65 70 75			
Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr			
80 85 90			
Ala Val Tyr Tyr Cys Ala Arg Val Arg Val Val Cys Arg Ala Asp			
95 100 105			
Arg Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr			
110 115			

<210> 37
 <211> 118
 <212> PRT
 <213> Homo sapiens

<220>
 <223> RAD32 part

<400> 37

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val His Pro Gly			
1 5 10 15			
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser			
20 25 30			
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu			
35 40 45			
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala			
50 55 60			
Asp Ser Val Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Gln			
65 70 75			
Ser Thr Ala Tyr Leu Gln Ile Asn Ser Leu Arg Ala Glu Asp Thr			
80 85 90			
Ala Val Tyr Tyr Cys Ala Arg Val Gly Val Trp Cys Arg Ala Asp			
95 100 105			

Lys Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
110 115

<210> 38

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> RAD88 part

<400> 38

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val His Pro Gly
1 5 10 15
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser
20 25 30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
35 40 45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala
50 55 60
Asp Ser Val Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Gln
65 70 75
Ser Thr Ala Tyr Leu Gln Ile Asn Ser Leu Arg Ala Glu Asp Thr
80 85 90
Ala Val Tyr Tyr Cys Ala Arg Val Gly Val Trp Cys Arg Ala Asp
95 100 105
Lys Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
110 115

<210> 39

<211> 119

<212> PRT

<213> Homo sapiens

<220>

<223> RAD1 part

<400> 39

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
1 5 10 15
Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser
20 25 30
Phe Tyr Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
35 40 45
Glu Trp Val Ser Gly Val Ser Ser Ser Gly Ile Thr Thr Tyr Tyr
50 55 60
Ala Ala Ser Val Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser
65 70 75
Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
80 85 90
Thr Ala Val Tyr Tyr Cys Ala Arg Val Arg Thr His Ser Arg Ala
95 100 105
Asp Arg Arg Glu Tyr Ala Met Asp Val Trp Gly Gln Gly Thr

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<212> PRT
<213> Homo sapiens

<220>
<223> RGD motif

<400> 40

Arg Gly Asp
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<210> 41
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> RAD motif

<400> 41

Arg Ala Asp
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<210> 42
<211> 3
<212> PRT
<213> Mus musculus

<220>
<223> RYD motif

<400> 42

Arg Tyr Asp
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<210> 43
<211> 9
<212> PRT
<213> Homo sapiens

<220>
<223> RAD1 part

<400> 43

Thr His Ser Arg Ala Asp Arg Arg Glu
1 5

<210> 44
<211> 9
<212> PRT
<213> Homo sapiens

<220>
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<400> 44

Val Val Cys Arg Ala Asp Arg Arg Cys
1 5

<210> 45
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<212> PRT
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<220>
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<400> 45

Val Trp Cys Arg Ala Asp Arg Arg Cys
1 5

<210> 46
<211> 9
<212> PRT
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Val Val Cys Arg Ala Asp Arg Arg Cys
1 5

<210> 47
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Val Trp Cys Arg Ala Asp Arg Arg Cys
1 5

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Val Val Cys Arg Ala Asp Arg Arg Cys
1 5

<210> 49
<211> 9
<212> PRT
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<220>
<223> RAD32 part

<400> 49

Val Trp Cys Arg Ala Asp Lys Arg Cys
1 5

<210> 50
<211> 9
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<220>
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Val Val Cys Arg Ala Asp Arg Arg Cys
1 5

<210> 51
<211> 9
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<220>
<223> RAD87 part

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Val Val Cys Arg Ala Asp Arg Arg Cys
1 5

<210> 52
<211> 9
<212> PRT
<213> Homo sapiens

<220>
<223> RAD88 part

<400> 52

Val Trp Cys Arg Ala Asp Lys Arg Cys
1 5

<210> 53
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<212> PRT
<213> Homo sapiens

<220>
<223> Anti-gp120 Fab part

<400> 53

Val Gly Pro Tyr Ser Trp Asp Asp Ser Pro Asp Gln Asn Tyr Tyr
1